	Application No.	Applicant(s)	
Notice of Allowability	09/768,375	SHAH ET AL.	
	Examiner	Art Unit	
	Dohm Chankong	2152	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to _7/27/05_.

2. ☒ The allowed claim(s) is/are _1-23_.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _7-26-05_

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

BUNJOB JAROENCHONWANIT
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Hunter on Friday, October 14th 2005.

Amendment for claim 1 :

A method comprising:

examining a call and a file descriptor associated with the call in an application node of a system area network, the call corresponding to an application program interface for a first transport-layer connection-oriented protocol;

if the call and the file descriptor are of a first type, translating the call to one or more protocol messages recognized by a second node in the system area network, the one or more protocol messages being defined by a second transport-layer connection-oriented protocol, and communicating the one or more protocol messages to the second node for processing according to the first transport-layer connection-oriented protocol; and

wherein the first type comprises transport, being of a partition of a file descriptor range.

Amendment for claim 5 :

A system area network comprising:

a first node; and

an application node including a processor configured for:

examining a call and a file descriptor associated with the call in an application node of a system area network, the call corresponding to an application program interface for a first transport-layer connection-oriented protocol;

if the call and the file descriptor are of a first type, translating the call to one or more protocol messages recognized by a second node in the system area network, the one or more protocol messages being defined by a second transport-layer connection-oriented protocol, and communicating the one or more protocol messages to the second node for processing according to the first transport-layer connection-oriented protocol; and

wherein the first type comprises transport, being of a partition of a file descriptor range.

Amendment for claim 16 :

An apparatus comprising:

a port for connecting the apparatus to a system area network; and

a processor configured for:

examining a call and a file descriptor associated with the call in an application node of a system area network, the call corresponding to an application program interface for a first transport-layer connection-oriented protocol;

if the call and the file descriptor are of a first type, translating the call to one or more

protocol messages recognized by a second node in the system area network, the one or more

protocol messages being defined by a second transport-layer connection-oriented protocol,

and communicating the one or more protocol messages to the second node for processing

according to the first transport-layer connection-oriented protocol; and

wherein the first type comprises transport, being of a partition of a file descriptor

range.

Amendment for claim 20 :

An article comprising a computer readable medium that stores computer executable

instructions for causing a computer system to :

examine a call and a file descriptor associated with the call in an application node of a

system area network, the call corresponding to an application program interface for a first

transport-layer connection-oriented protocol;

if the call and the file descriptor are of a first type, translating the call to one or more

protocol messages recognized by a second node in the system area network, the one or more

protocol messages being defined by a second transport-layer connection-oriented protocol,

and communicating the one or more protocol messages to the second node for processing

according to the first transport-layer connection-oriented protocol; and

wherein the first type comprises transport, being of a partition of a file descriptor

range.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Generally, Applicant's invention is directed towards translating an application program interface call to one or more protocol messages recognized by a node in a system area network. The translation is only performed if the call and an associated file descriptor are of a first type. Applicant has further amended the claims to further clarify what Applicant considers a "first type". Specifically, translation of the call is performed only if the call and its associated file descriptor are of a transport type, the type being defined as a partition within the file descriptor range.

The prior art references do not disclose this functionality. The closest art, Sitbon, U.S Patent No. 5.568.487 & Bach, U.S Patent No. 5.619.650 generally relate to converting calls from one protocol to a second protocol of a second network and transmitting the converted message to the second network. However, these references are silent as to the functionality of comparing the calls and its associated file descriptor before performing the translation. Furthermore, the prior art references do not disclose that a first type of file descriptor is a transport type, within a file descriptor range.

Furthermore, nothing in the prior art discloses utilizing API calls and file descriptors for the purposes of translation within a transport layer network environment.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dohm Chankong whose telephone number is 571.272.3942. The examiner can normally be reached on Monday-Thursday [7:00 AM to 5:00 PM].

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on 571.272.3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DC